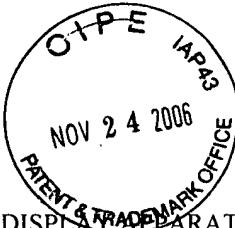


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sasaki et al.  
 Serial No.: 09/398,126  
 Conf. No.: 9667  
 Filed: September 16, 1999  
 For: LIQUID CRYSTAL DISPLAY APPARATUS  
       HAVING ALIGNMENT CONTROL FOR  
       BRIGHTNESS AND RESPONSE  
 Art Unit: 2871  
 Examiner: Dudek, James A.



I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Mail Stop AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.

November 21, 2006

Date

  
 Registration No. 47,954  
 Attorney for Applicant(s)

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(c), after the C.F.R. §1.97(b) time period, but before the mail date of a Final Office Action or a Notice of Allowance (whichever occurs first), with either:

- (a) a statement under 37 C.F.R. §1.97(e); or
- (b) the \$180.00 fee under 37 C.F.R. §1.17(p).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of foreign patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

Statement Under 37 C.F.R. §1.97(e):

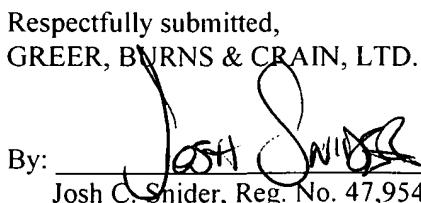
The enclosed references were cited in two Communications issued by the Japanese Patent Office (copy enclosed) and two European Search Reports (copies enclosed). Applicant(s) hereby certify that each item of information cited on the enclosed Form PTO-1449 was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement.

Applicant(s) hereby certify that no item of information cited on the enclosed Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing below after making reasonable inquiry, no item of information cited on the enclosed Form PTO-1449 was known to any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

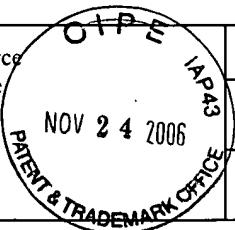
Enclosed is a check for \$180.00 to cover the fee as set forth in 37 C.F.R. § 1.17(p).

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

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Respectfully submitted,  
 GREER, BURNS & CRAIN, LTD.  
 By:   
 Josh C. Snider, Reg. No. 47,954

Form PTO-1449 (Rev. 8-88)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: 4328.63294	S. N.: 09/398,126
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Sasaki et al.	
		Filing Date: 09/16/1999	Group: 2871



## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,309,264	May 3, 1994	Lien et al.			
	5,872,611	Feb. 16, 1999	Hirata et al.			
	6,724,452	April 20, 2004	Takeda et al.			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	06-043461	Feb. 18, 1994	Japan			X*	
	06-258649	Sept. 16, 1994	Japan			Abs.	
	07-311383	Nov. 28, 1995	Japan			Abs.	
	07-043719	Feb. 14, 1995	Japan			X**	
	EP 884626	Dec. 16, 1998	WIPO			X***	
	11-109358	April 23, 1999	Japan			Abs.	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Konovalov et al., "Multi-Domain Vertically Aligned Mode," 1998 SID International Symposium Digest of Technical Papers, Anaheim, CA, May 1998, Vol. 29, pp 1-4.
	Anonymous, "Liquid Crystal Display," Research Disclosure, Mason Publications, Hampshire, GB, May 1998.
	Lien et al., "Ridge and Fringe-Field Multi-Domain Homeotropic LCD," 1998 SID International Symposium Digest of Technical Papers, Anaheim, Ca, May 1998, Vol., 29, 1123-1126.
	Ong, H.L., "Multi-Domain Homeotropic LCDs with Symmetrical Angular Optical Performances," SID International Symposium Digest of Papers, Boston, May 1992, pp 405-408.

Examiner	Date Considered
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\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* JP 06-043461 corresponds to U.S.P.N. 5,309,264

\*\* JP 07-043719 corresponds to U.S.P.N. 5,872,611

\*\*\* EP 884626 corresponds to U.S.P.N 6,724,452



Form PTO-1449 U.S. Department of Commerce (Rev. 8-88) Patent and Trademark Office		Attorney Docket No.: 4328.63294	S. N.: 09/398,126
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Sasaki et al.	
		Filing Date: 09/16/1999	Group: 2871

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	2001/0048494	Dec. 6, 2001	Koma, Norio			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	2000-147234	May 26, 2000	Japan			Abs.	
	08-101399	April 16, 1996	Japan			Abs.	
	08-101396	April 16, 1996	Japan			Abs.	
	08-146468	June 7, 1996	Japan			Abs.	
	11-149079	June 2, 1999	Japan			X****	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner \_\_\_\_\_ Date Considered \_\_\_\_\_

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.